

PATENT APPLICATION

Docket No. 2777/3295

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of PURI et al.

Application No.: 10/811,983

Group Art Unit: 2613

Filed: March 30, 2004

Examiner: To Be Assigned

For H.264/AVC CODER INCORPORATING
RATE AND QUALITY CONTROLLER

Customer No.: 23838

INFORMATION DISCLOSURE STATEMENTCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR § 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The filing of this Information Disclosure Statement and the enclosed PTO Form No. 1449, shall not be construed as an admission that the information cited is prior art, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). The paragraphs marked below are applicable. It is believed that no fees other than those indicated below are due, but authorization is hereby given to charge any additional fees due, or to credit any overpayment, to deposit account 11-0600.

This Information Disclosure Statement is being filed (a) within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. §1.53(d), (b) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, (c) before the mailing date of a first Office Action on the merits in the present application, OR (d)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.H./

Docket No. 2777/3295
Page 2

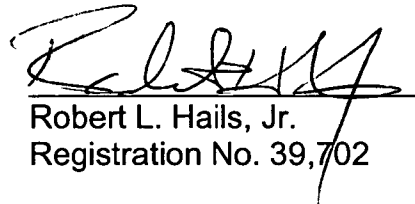
before the mailing of a first office action after filing of a request for continued examination. No certification or fee is required.

Respectfully submitted,

KENYON & KENYON

Date: November 22, 2004

Kenyon & Kenyon
1500 K Street, N.W.
Washington, D.C. 20005
Telephone: (202) 220-4200
Facsimile: (202) 220-4201


Robert L. Hails, Jr.
Registration No. 39,702

525226V1 DC01

PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/811,983
Filing Date	March 30, 2004
First Named Inventor	PURI et al.
Art Unit	2613
Examiner Name	Not assigned
Attorney Docket Number	2777/3295

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J. Lee and B.W. Dickinson, "Scene-adaptive motion interpolation structures based on temporal masking in human visual perception," in <i>Proc. SPIE Conference on Visual Comm. and Image Processing</i> , Cambridge, 1993, pp. 499-510.	
		A. Hanjalic, "Shot-Boundary Detection: Unraveled and resolved?," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , vol. 12, no. 2, pp. 90-105, February 2002.	
		C-L. Huang and B-Y Liao, "A robust scene-change detection method for video segmentation," <i>IEEE Signal Processing Letters</i> , vol. 7, no. 7, pp. 173-175, July 2000.	
		T. Vlachos, "Cut detection in video sequences using phase correlation," <i>IEEE Signal Processing Letters</i> , vol. 7, no. 7, pp. 173-175, July 2000.	
		U. Gargi, R. Kasturi, and S.H. Strayer, "Performance characterization of video shot change detection methods," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , vol. 10, no. 1, pp. 1-13, February 2000.	
		R.M. Ford, C. Robson, D. Temple, and M. Gerlach, "Metrics for shot boundary detection in video sequences," <i>Multimedia Systems</i> , vol. 8, pp. 37-46, 2000.	
		B-L Yeo and B. Liu, "Rapid Scene analysis on compressed video," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , vol. 5, no. 6, pp. 533-544, December 1995.	
		H.J. Zhang, C.Y. Low, and S.W. Smoliar, "Video parsing and browsing using compressed data," <i>Multi-media Tools and Applications</i> , vol. 1, no. 1, pp. 89-111, March 1995.	
		H.C. Liu and G. Zick, "Automatic determination of scene changes in MPEG compressed video," in <i>Proc. IEEE Symp. Circuits and Systems</i> , Seattle, 1995, vol. 1, pp. 764-767.	
		Z. Cernekova, C. Nikou, and I. Pitas, "Shot detection in video sequences using entropy-based metrics," in <i>Proceedings of IEEE International Conference on Image Processing</i> , 2002, vol. 3, pp. 421-424.	
		B. Shahraray, "Scene change detection and content-based sampling of video sequences," in <i>Digital Video Compression: Algorithms and Technologies</i> , 1995, vol. SPIE-2419, pp. 2-13.	

Examiner Signature	/Anner Holder/	Date Considered	03/24/2008
-----------------------	----------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.H./

PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/811,983
Filing Date	March 30, 2004
First Named Inventor	PURI et al.
Art Unit	2613
Examiner Name	Not assigned
Attorney Docket Number	2777/3295

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J. Bescos, G. Cisneros, and J.M. Menendez, "Multidimensional comparison of shot detection algorithms," in <i>Proceedings of IEEE International Conference on Image Processing</i> , 2002, vol. 2, pp. 401-403.	
		J. Meng, Y. Juan, and S.F. Chang, "Scene change detection in a MPEG compressed video sequence," in <i>Digital Video Compression: Algorithms and Technologies</i> , 1995, vol. SPIE-2419, pp. 14-25.	
		Jungwoo Lee and Bradley W. Dickinson, "Temporally adaptive motion interpolation exploiting temporal masking in visual perception," <i>IEEE Transactions on Image Processing</i> , vol. 3, no. 5, pp 513-526, Sept. 1994.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

525231v1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.H./